Title (en)

POLYETHYLENE FILM FOR HEAT SEALING

Title (de)

POLYETHYLENFOLIE ZUM HEISSSIEGELN

Title (fr)

FILM DE POLYÉTHYLÈNE POUR THERMOSCELLAGE

Publication

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Application

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Abstract (en)

[origin: WO2021204799A1] The present invention relates to a film comprising a sealing layer comprising a polyethylene A comprising moieties derived from ethylene and moieties derived from an α-olefin comprising 4 to 10 carbon atoms, the polyethylene A having a density of ≥ 870 and ≤ 920 kg/m3, preferably of ≥ 900 and ≤ 920 kg/m3, as determined in accordance with ASTM D792 (2013), wherein the polyethylene A has: • a fraction of material that is eluted in analytical temperature rising elution fractionation (a-TREF) at a temperature ≤ 30.0 °C of ≥ 5.0 wt% and ≤ 15.0 wt%, preferably ≥ 7.5 wt% and ≤ 12.5 wt%, with regard to the total weight of the polyethylene; and • two distinct peaks in the a-TREF curve in the elution temperature range of between 50.0 and 90.0 °C, wherein the elution temperature gap between the two peaks is ≤ 17.5 °C, preferably ≤ 15.0 °C. Such film allows for sealing of the film at a desirably low temperature, whilst still providing a desirable seal strength. Furthermore, such films demonstrates a desirably high heat stability.

IPC 8 full level

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